

# PREVENTIVE MAINTENANCE

## for the

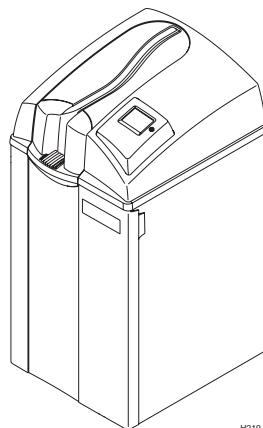
### *Kodak DirectView* CLASSIC/ELITE CR SYSTEMS

### Service Codes: 5258, 5259



#### Important

- Qualified service personnel must do these procedures.
- See the Health Group Service Knowledge Portal for possible updates before doing this procedure.
- When doing the procedures in this document, you must use safe work practices and wear the correct Personal Protective Equipment (for example: SAFETY EYEWEAR) according to your Company's Standard Operating Procedures.



H219\_0001GC

**PLEASE NOTE** The information contained herein is based on the experience and knowledge relating to the subject matter gained by Carestream Health, Inc. prior to publication.

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This equipment includes parts and assemblies sensitive to damage from electrostatic discharge. Use caution to prevent damage during all service procedures.

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**Necessary Materials**

Part No.	Description	Quantity	Notes
---	soap - solution	---	Purchase locally.
3E0899	CLOTH - lint-free	---	Package of 300
TL-4071	VACUUM CLEANER	---	
1C8000	LENS CLEANER SOLUTION	---	
952807	LENS PAPER	---	Package of 50
5E6777	SPINDLE OIL	---	4-oz BOTTLE
1C8067	CANNED AIR	---	Package of 2
8G2614	PREVENTIVE MAINTENANCE KIT - CLASSIC/ELITE CR SYSTEM	1	Includes: <ul style="list-style-type: none"> <li>• LIGHT SEALS, left and right</li> <li>• CLAMP BAR PLUSH</li> <li>• PLUSH AY, left and right</li> <li>• LIGHT SEAL PLUSH, left and right</li> <li>• REAR CLIP AY</li> </ul>
SP7H5993	LIGHT SEAL - left	1	
SP7H5992	LIGHT SEAL - right	1	
SP7H4100	PLUSH - clamp bar	2	
SP7H8571	PLUSH AY - left	1	
SP7H8192	PLUSH AY - right	1	
SP7H3991	LIGHT SEAL PLUSH - left	1	
1F5817	LIGHT SEAL PLUSH - right	1	
SP6H6814	REAR CLIP AY	1	

## Maintenance Plan

Procedure	Do:
Checking the Error Logs	Every service call
Checking the Scan Operation	Every service call
Cleaning the FILTER for the Computer	Every 12 months
Cleaning the PMT/DAS BOARD	Every 12 months
Cleaning the PMTs and COLLECTOR AY	Every 12 months
Cleaning the CASSETTE HANDLING AY	Every 12 months
Cleaning the BAR CODE READER	Every 12 months
Cleaning the EXTRACTION BAR	Every 12 months
Cleaning and Applying Lubricant to the SLOW SCAN SLIDES	Every 12 months
Cleaning the ERASE LAMP AY	Every 12 months
Cleaning the System	Every 12 months
Installing the New LIGHT SEALS on the TOP COVER	Every 12 months
Installing the New CLAMP BAR PLUSH	Every 12 months
Installing the New REAR CLIP AY	Every 12 months
Installing the New LIGHT SEAL PLUSH	Every 12 months
Checking the Adjustments	Every 12 months
Checking the Operation	Every service call

## Checking the Error Logs

- 1 Use your USB SERVICE JUMP DRIVE to log on to the service menu of the *Kodak DirectView* CLASSIC/ELITE CR SYSTEM.
- 2 Select:
  - [Service Functions]
  - [Diagnostics]
  - [Error Log]



### Important

If more than one error code for the same component or assembly occurs, you might have to install new parts or do adjustments during this procedure.

- 3 Do an evaluation of the error logs.
- 4 Continue with [Checking the Scan Operation](#).

## Checking the Scan Operation



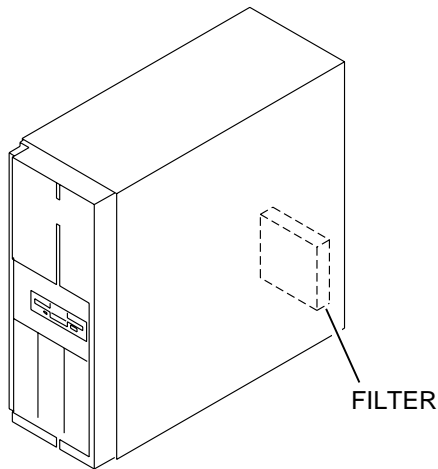
### Important

You must check the scan operation before de-energizing the system.

- 1 Observe the scan operation for all CASSETTE sizes and make repairs before doing preventive maintenance procedures.
- 2 Is this a 12-month service call?

Yes	No
Continue with <a href="#">Cleaning the FILTER for the Computer</a> .	Advance to <a href="#">Checking the Operation</a> .

## Cleaning the FILTER for the Computer



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### Caution

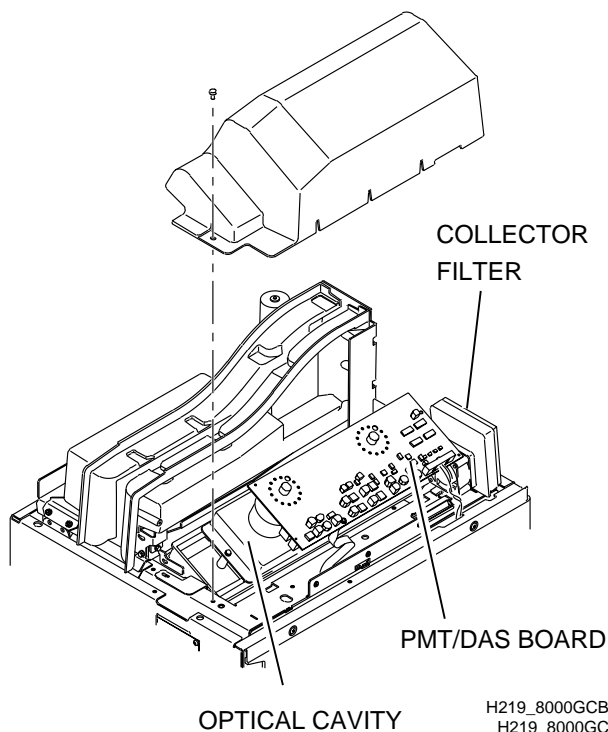
Dangerous Voltage

- 1 De-energize the system.
- 2 Use the VACUUM CLEANER to remove dust from the FILTER within the computer.
- 3 Continue with **Cleaning the PMT/DAS BOARD.**

## Cleaning the PMT/DAS BOARD

- 1 Remove the PMT/DAS BOARD. See:

Publication	Section	Procedure
ADJUSTMENTS and REPLACEMENTS for the <i>Kodak DirectView</i> CLASSIC/ELITE CR SYSTEMS AR5258-1	Replacements	PMT/DAS BOARD



### Caution

- Use the VACUUM CLEANER to remove dust before using the CANNED AIR.
- Use the CANNED AIR to move debris **away** from the OPTICAL CAVITY.

- 2 Use the VACUUM CLEANER to remove dust from the PMT/DAS BOARD.
- 3 If necessary, use the CANNED AIR, 1C8067, to remove dust from the PMT/DAS BOARD.
- 4 Remove the COLLECTOR FILTER.
- 5 Wash the COLLECTOR FILTER with clean water.
- 6 Squeeze the COLLECTOR FILTER to remove all:
  - water
  - dust
- 7 If necessary, do **Step 5 - 6** again.
- 8 Install the COLLECTOR FILTER.
- 9 Continue with **Cleaning the PMTs and COLLECTOR AY**.

# Cleaning the PMTs and COLLECTOR AY



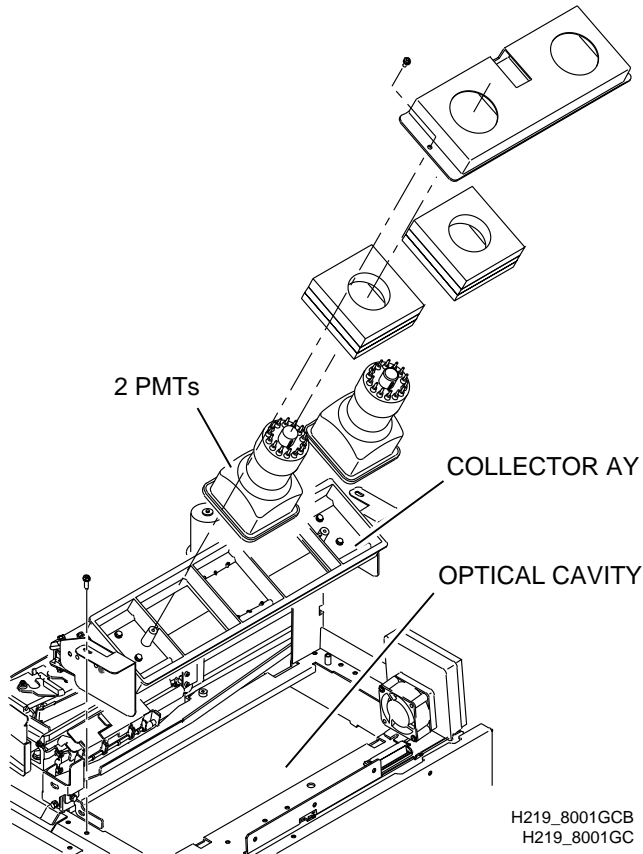
## Important

For [Step 1](#) - [2](#), you can use:

Publication	Section	Procedure
ADJUSTMENTS and REPLACEMENTS for the <i>Kodak DirectView</i> CLASSIC/ELITE CR SYSTEMS AR5258-1	Replacements	PMT/DAS BOARD
		PMTs
		COLLECTOR

- 1 If necessary, remove the PMT/DAS BOARD.
- 2 Remove:
  - PMTs
  - COLLECTOR AY



**Caution**

- Use the VACUUM CLEANER to remove dust before using the CANNED AIR.
  - Use the CANNED AIR to move debris **away** from the OPTICAL CAVITY.
- 
- 3** Use the VACUUM CLEANER to remove dust from:
    - 2 PMTs
    - COLLECTOR AY
    - OPTICAL CAVITY
  - 4** If necessary, use the CANNED AIR to remove dust from:
    - 2 PMTs
    - COLLECTOR AY
    - OPTICAL CAVITY
  - 5** Install:
    - COLLECTOR AY
    - PMTs
    - PMT/DAS BOARD
  - 6** Continue with **Cleaning the CASSETTE HANDLING AY.**

## Cleaning the CASSETTE HANDLING AY

- 1 Remove the CASSETTE HANDLING AY. See:

Publication	Section	Procedure
ADJUSTMENTS and REPLACEMENTS for the <i>Kodak DirectView</i> CLASSIC/ELITE CR SYSTEMS AR5258-1	Replacements	CASSETTE HANDLING AY



### Caution

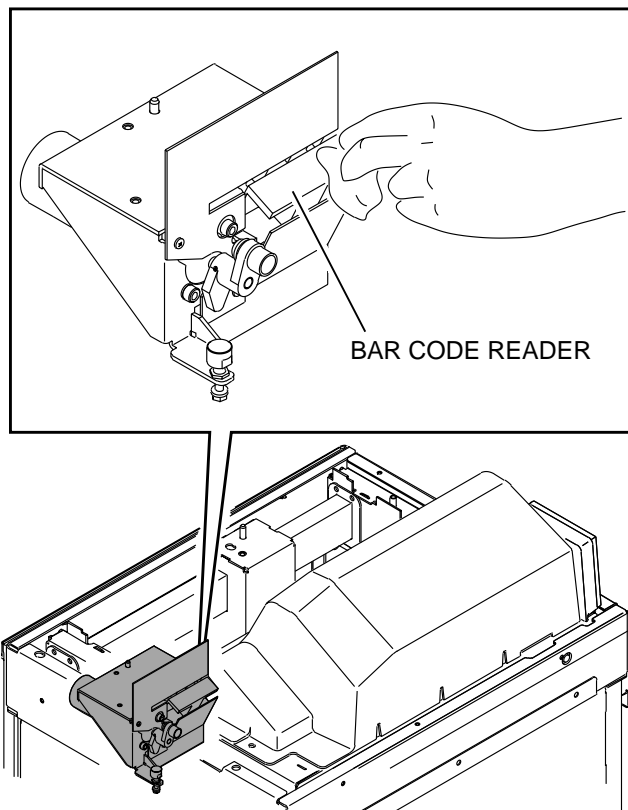
Use the VACUUM CLEANER to remove dust before using the CANNED AIR.

- 2 Use the VACUUM CLEANER to remove dust from the CASSETTE HANDLING AY.
- 3 If necessary, use the CANNED AIR to remove dust from the CASSETTE HANDLING AY.
- 4 Continue with [Cleaning the BAR CODE READER](#).

## Cleaning the BAR CODE READER

- 1 If necessary, remove the CASSETTE HANDLING AY. See:

Publication	Section	Procedure
ADJUSTMENTS and REPLACEMENTS for the <i>Kodak DirectView</i> CLASSIC/ELITE CR SYSTEMS AR5258-1	Replacements	CASSETTE HANDLING AY



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### Caution

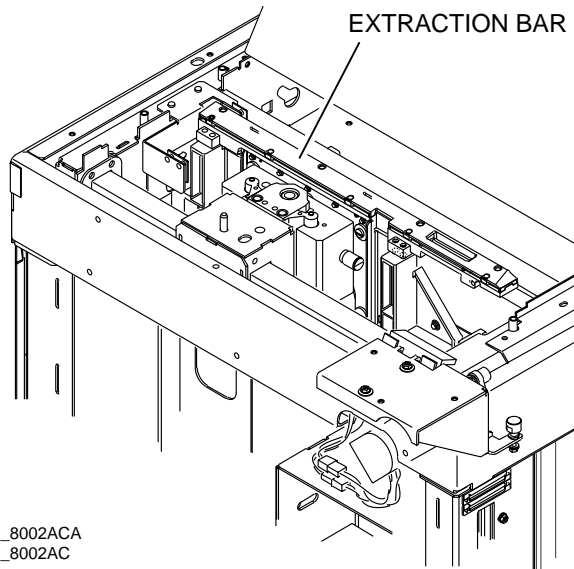
Use the VACUUM CLEANER to remove dust before using the CANNED AIR.

- 2 Use the VACUUM CLEANER to remove dust from the BAR CODE READER.
- 3 If necessary, use the CANNED AIR to remove the dust from the BAR CODE READER.
- 4 If the CANNED AIR does not remove the dust from the BAR CODE READER, clean the BAR CODE READER with:
  - LENS CLEANER SOLUTION 1C8000
  - LENS PAPER 952807
- 5 Continue with **Cleaning the EXTRACTION BAR.**

## Cleaning the EXTRACTION BAR

- 1 If necessary, remove the CASSETTE HANDLING AY. See:

Publication	Section	Procedure
ADJUSTMENTS and REPLACEMENTS for the <i>Kodak DirectView</i> CLASSIC/ELITE CR SYSTEMS AR5258-1	Replacements	CASSETTE HANDLING AY

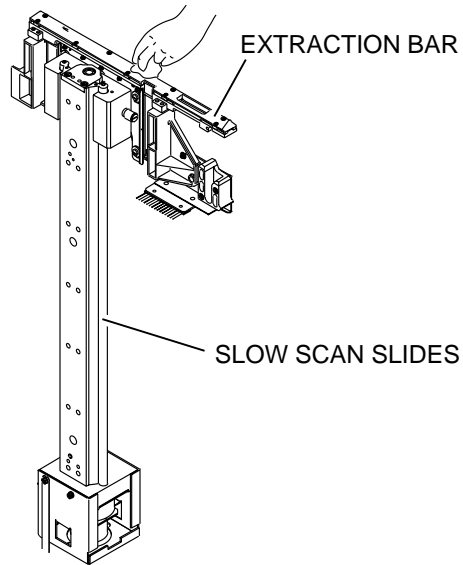
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H219\_8002AC

### Caution

Use the VACUUM CLEANER to remove dust before using the CANNED AIR.

- 2 Clean the EXTRACTION BAR with a LINT-FREE CLOTH.
- 3 Install the CASSETTE HANDLING AY.
- 4 Continue with **Cleaning and Applying Lubricant to the SLOW SCAN SLIDES.**

## Cleaning and Applying Lubricant to the SLOW SCAN SLIDES

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- 1 Use a LINT-FREE CLOTH to clean:
  - SLOW SCAN SLIDES
  - top of the EXTRACTION BAR



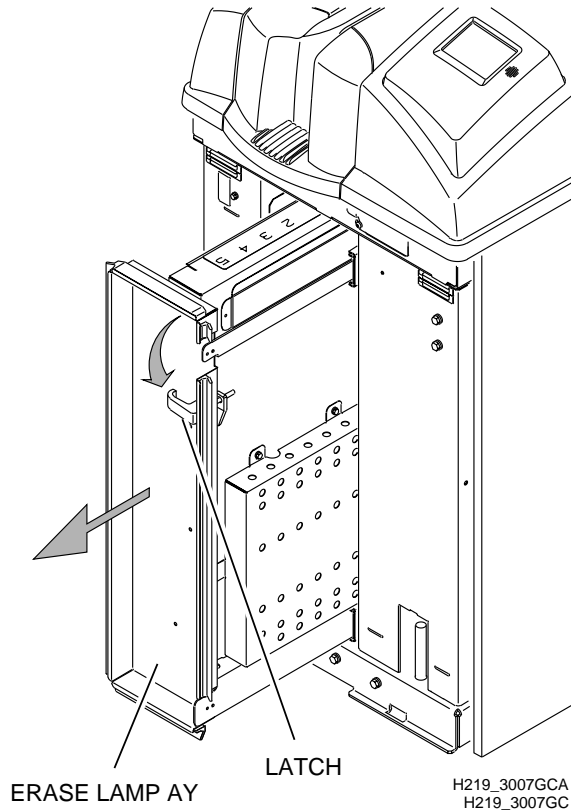
### Caution

Do not apply SPINDLE OIL on the LEAD SCREW.

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- 2 Apply 2 drops of SPINDLE OIL, 5E6777, on each of the 2 SLOW SCAN SLIDES.
- 3 Rotate the LEAD SCREW up and down to apply the SPINDLE OIL.
- 4 Apply 2 drops of SPINDLE OIL into the holes on the CARRIAGE.
- 5 Continue with **Cleaning the ERASE LAMP AY.**

## Cleaning the ERASE LAMP AY



- 1** Disengage the LATCH.
- 2** Pull the ERASE LAMP AY away from the system.
- 3** Use a LINT-FREE CLOTH to clean ERASE LAMPS.
- 4** Use the VACUUM CLEANER to remove dust from the ERASE LAMP AY.
- 5** If necessary, use the CANNED AIR to remove the dust from the ERASE LAMP AY.
- 6** Continue with **Cleaning the System**.

# Cleaning the System



## Caution

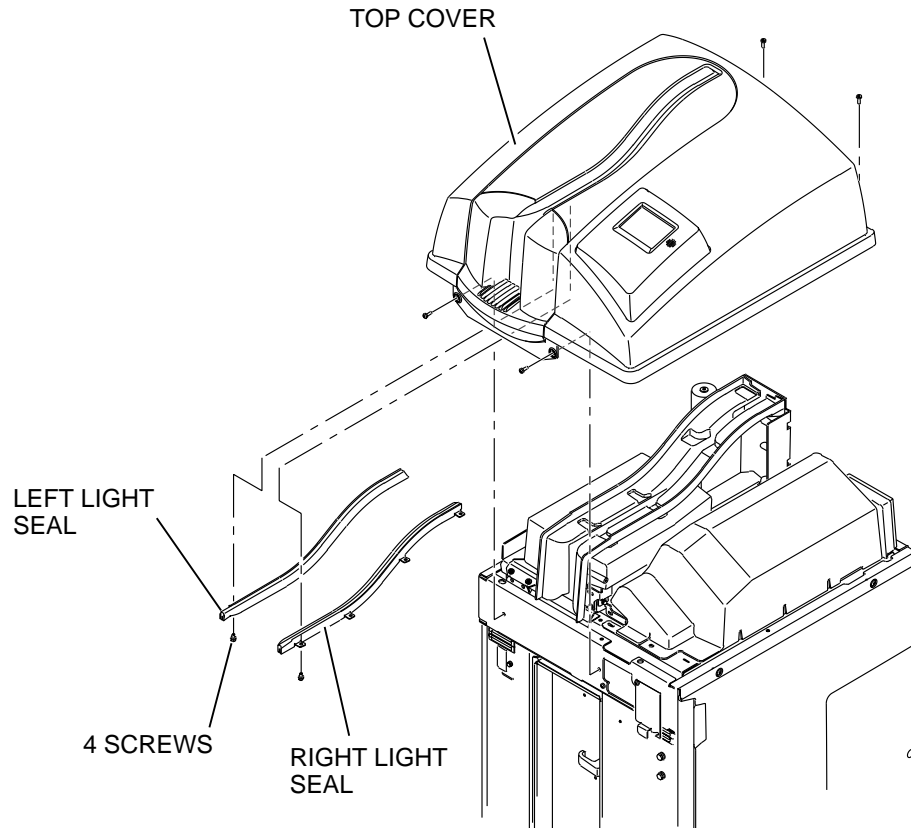
Dangerous Voltage

- 1 If necessary, de-energize the system.
- 2 Remove the COVERS and PANELS. See:

Publication	Section	Procedure
ADJUSTMENTS and REPLACEMENTS for the <i>Kodak DirectView</i> CLASSIC/ELITE CR SYSTEMS AR5258-1	Additional Service Procedures	Opening and Removing COVERS and PANELS

- 3 Use the VACUUM CLEANER to remove dust from the inside of the system.
- 4 Continue with **Installing the New LIGHT SEALS on the TOP COVER.**

## Installing the New LIGHT SEALS on the TOP COVER



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H219\_8011HC

### 1 Remove the TOP COVER.



#### Important

- The narrow end of the LIGHT SEAL must be toward the front edge of the SLOT.
- The LIGHT SEAL must make a seal against the back edge of the SLOT.



**2** Remove:

- 4 SCREWS - keep
- LEFT LIGHT SEAL - discard
- 4 SCREWS - keep
- RIGHT LIGHT SEAL - discard

**3** Install:

- new LEFT LIGHT SEAL
- 4 SCREWS
- new RIGHT LIGHT SEAL
- 4 SCREWS

**4** Continue with **Installing the New CLAMP BAR PLUSH.**

## Installing the New CLAMP BAR PLUSH



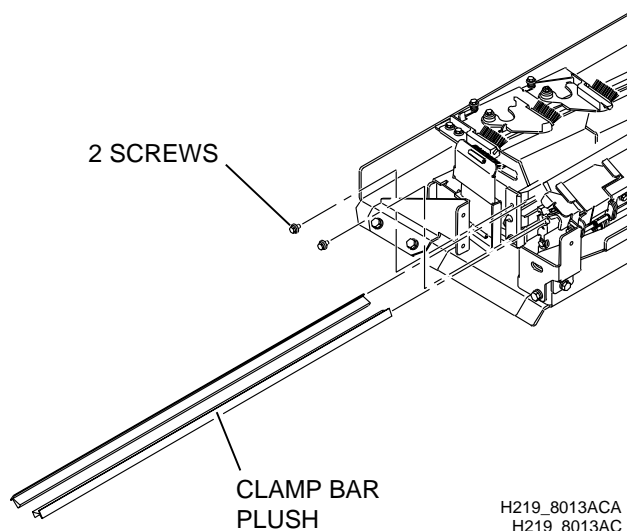
### Important

For **Step 1**, you can use:

Publication	Section	Procedure
ADJUSTMENTS and REPLACEMENTS for the <i>Kodak DirectView</i> CLASSIC/ELITE CR SYSTEMS AR5258-1	Additional Service Procedures	Opening and Removing the COVERS and PANELS

#### 1 Remove:

- LEFT CASSETTE GUIDE
- RIGHT CASSETTE GUIDE



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H219\_8013AC

#### 2 Remove:

- 2 SCREWS - keep
- CLAMP BAR PLUSH - discard

#### 3 Install:

- new CLAMP BAR PLUSH
- 2 SCREWS

#### 4 Continue with **Installing the New REAR CLIP AY.**

# Installing the New REAR CLIP AY

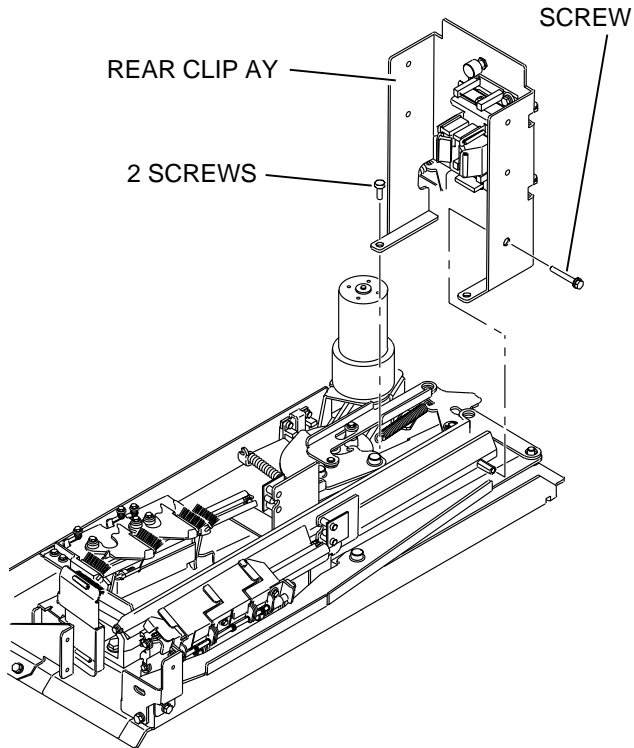


## Important

For [Step 1 - 2](#), you can use:

Publication	Section	Procedure
ADJUSTMENTS and REPLACEMENTS for the <i>Kodak DirectView</i> CLASSIC/ELITE CR SYSTEMS AR5258-1	Additional Service Procedures	Opening and Removing the COVERS and PANELS

- 1 Open the TOP COVER
- 2 If necessary, remove:
  - LEFT CASSETTE GUIDE
  - RIGHT CASSETTE GUIDE



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**3** Remove:

- SCREW - keep
- 2 SCREWS - keep
- REAR CLIP AY - discard

**4** Install:

- new REAR CLIP AY
- 2 SCREWS
- SCREW

**5** Continue with **Installing the New LIGHT SEAL PLUSH.**

## Installing the New LIGHT SEAL PLUSH



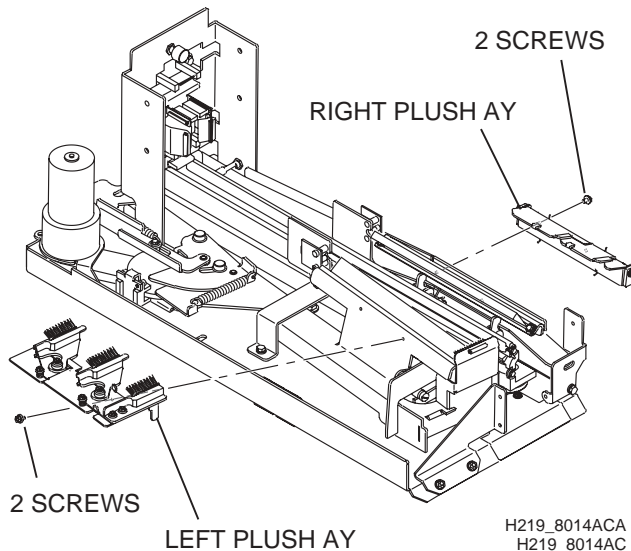
### Important

For **Step 1 - 2**, you can use:

Publication	Section	Procedure
ADJUSTMENTS and REPLACEMENTS for the <i>Kodak DirectView</i> CLASSIC/ELITE CR SYSTEMS AR5258-1	Additional Service Procedures	Opening and Removing the COVERS and PANELS

**1** If necessary, remove:

- LEFT CASSETTE GUIDE
- RIGHT CASSETTE GUIDE

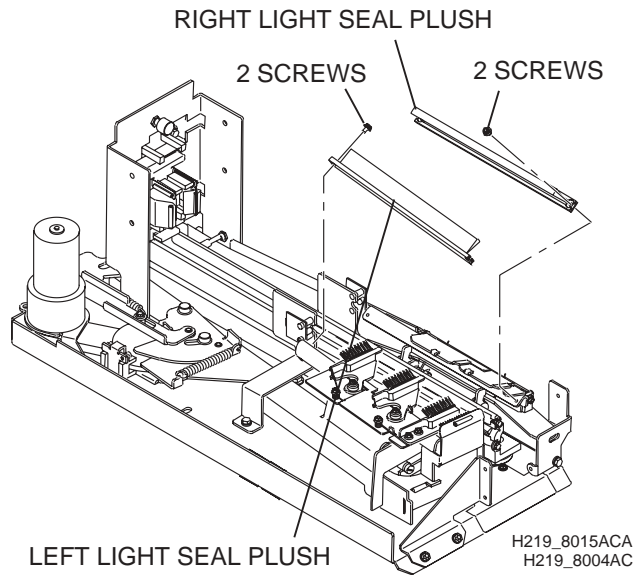


**2** Remove:

- 2 SCREWS - keep
- LEFT PLUSH AY - discard
- 2 SCREWS - keep
- RIGHT PLUSH AY - discard

**3** Install:

- new RIGHT PLUSH AY
- 2 SCREWS
- new LEFT PLUSH AY
- 2 SCREWS



**4** Remove:

- 2 SCREWS - keep
- RIGHT LIGHT SEAL PLUSH - discard
- 2 SCREWS - keep
- LEFT LIGHT SEAL PLUSH - discard

**5** Install:

- new RIGHT LIGHT SEAL PLUSH
- 2 SCREWS
- new LEFT LIGHT SEAL PLUSH
- 2 SCREWS
- LEFT CASSETTE GUIDE
- RIGHT CASSETTE GUIDE

**6** Continue with **Checking the Adjustments.**

# Checking the Adjustments

1 Do:

Publication	Section	Procedure
ADJUSTMENTS and REPLACEMENTS AR5258-1	ADJUSTMENTS	INTERLOCK SWITCH
		CASSETTE HANDLING AY
		PLATE SUPPORT AY
		FOLD MIRROR
		AFTERGLOW BAFFLE
		COLLECTOR AY
		GALVO
		CLAMP BAR
		UPPER CASSETTE END STOP
		LOWER CASSETTE END STOP
		CASSETTE EXTRACT SENSOR S4
		EXTRACTION BAR HOME POSITION
		EXTRACTION BAR HOME
		EXTRACTION BAR MOTOR AY
		RIGHT and LEFT PLUSH AY
		INTERNAL BAR CODE READER
		STATIC BAR

2 Continue with [Checking the Operation](#).

## Checking the Operation

### 1 Do:

Publication	Section	Procedure
ADJUSTMENTS and REPLACEMENTS for the <i>Kodak DirectView</i> CLASSIC/ELITE CR SYSTEMS AR5258-1	Additional Service Procedures	Setting the Laser Calibration Voltage
		Calibration for the CLASSIC/ELITE CR SYSTEM

## Publication History

Publication Date	Publication No.	ECO No.	Changed Pages	File Name	Notes
04JUN08	PM5258-1	----	- - -	pm5258_1.fm	New Publication
14AUG08	PM5258-1	----	3	pm5258_1.fm	Revision to part numbers.

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